

ABSTRACT

A rotary fluid machine is provided that includes a rotary valve (61) for controlling the intake and discharge of a working medium to and from an operating part (49, 57) formed from an axial piston cylinder group, a steam supply pipe (77) that is disposed on an axis (L) of a rotor (27) and supplies steam to the rotary valve (61), the steam supply pipe (77) being provided separately from a rotary valve main body (62), and gland packing sealing means (97) disposed between the steam supply pipe (77) and the rotary valve main body (62). Since the sealing means (97), which is flexible, has the function of preventing movement in the direction of the axis (L) of the steam supply pipe (77) from being transmitted to the rotary valve (61), it is possible to ensure the intimacy of contact of sliding surfaces (68) of the rotary valve (61) while minimizing the leakage of steam past the outer periphery of the steam supply pipe (77) by means of the sealing means (97), thereby enabling the steam to be supplied and discharged reliably.